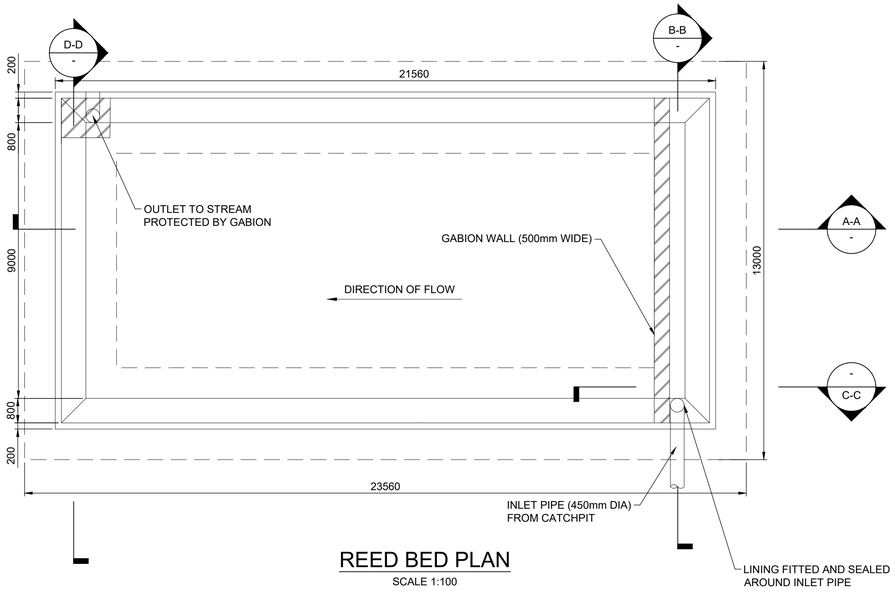
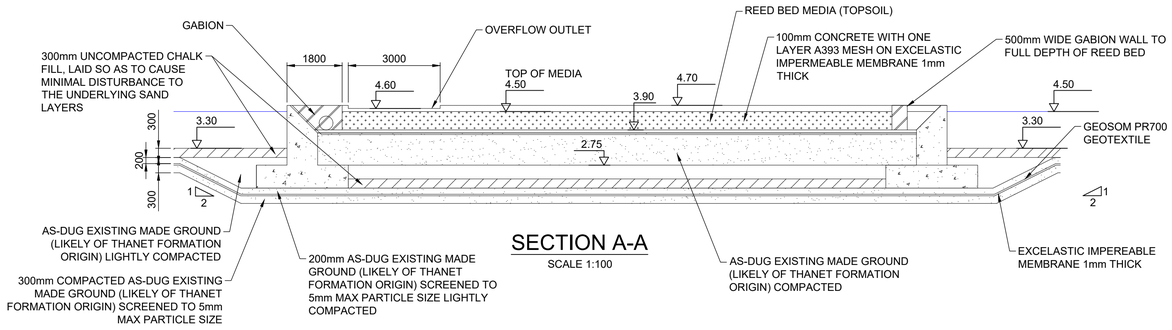


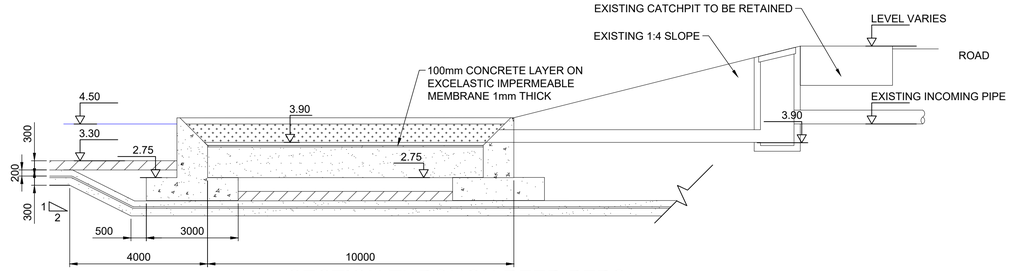
REED BED PLAN

SCALE 1:100


GABION
300mm UNCOMPACTED CHALK FILL, LAID SO AS TO CAUSE MINIMAL DISTURBANCE TO THE UNDERLYING SAND LAYERS
OVERFLOW OUTLET
REED BED MEDIA (TOPSOIL)
100mm CONCRETE WITH ONE LAYER A393 MESH ON EXCELASTIC IMPERMEABLE MEMBRANE 1mm THICK
500mm WIDE GABION WALL TO FULL DEPTH OF REED BED
GEOSOM PR700 GEOTEXTILE
EXCELASTIC IMPEREABLE MEMBRANE 1mm THICK
1800
3000
4.60
TOP OF MEDIA 4.50
3.90
4.70
4.50
3.30
2.75
300
200
300
1
2
AS-DUG EXISTING MADE GROUND (LIKELY OF THANET FORMATION ORIGIN) LIGHTLY COMPACTED
300mm COMPACTED AS-DUG EXISTING MADE GROUND (LIKELY OF THANET FORMATION ORIGIN) SCREENED TO 5mm MAX PARTICLE SIZE
200mm AS-DUG EXISTING MADE GROUND (LIKELY OF THANET FORMATION ORIGIN) SCREENED TO 5mm MAX PARTICLE SIZE LIGHTLY COMPACTED
AS-DUG EXISTING MADE GROUND (LIKELY OF THANET FORMATION ORIGIN) COMPACTED

SECTION A-A

SCALE 1:100



SECTION THROUGH REED BEDS

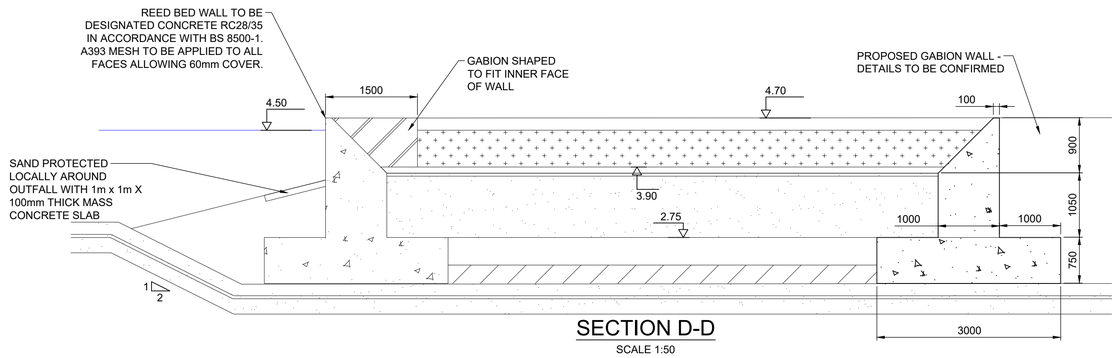
SECTION B-B

SCALE 1:100

REED BED WALL TO BE DESIGNATED CONCRETE RC28/35 IN ACCORDANCE WITH BS 8500-1. A393 MESH TO BE APPLIED TO ALL FACES ALLOWING 60mm COVER.
LINER BETWEEN WALL AND CONCRETE CUT OFF AT EDGE OF BASE AND SEALED WITH TWO-PART POLYSULPHIDE SEALANT
CONCRETE
100
AS-DUG EXISTING MADE GROUND

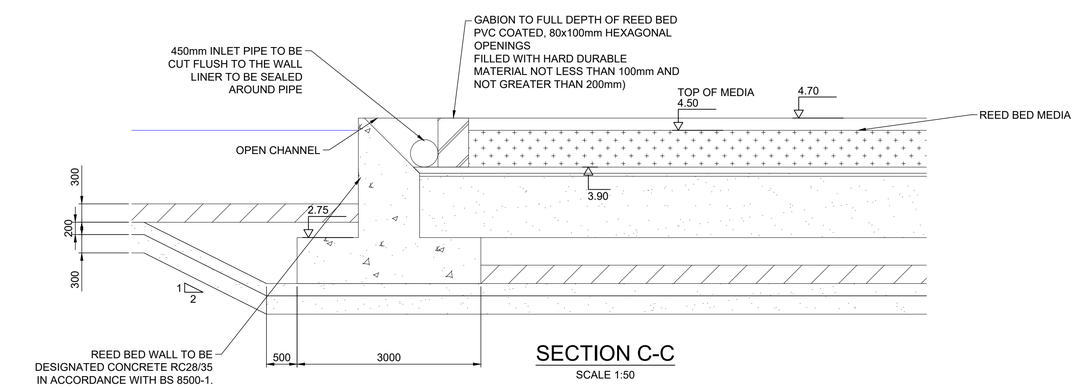
LINER DETAIL

SCALE 1:50



SECTION D-D

SCALE 1:50


450mm INLET PIPE TO BE CUT FLUSH TO THE WALL LINER TO BE SEALED AROUND PIPE
GABION TO FULL DEPTH OF REED BED PVC COATED, 80x100mm HEXAGONAL OPENINGS FILLED WITH HARD DURABLE MATERIAL NOT LESS THAN 100mm AND NOT GREATER THAN 200mm)
TOP OF MEDIA 4.50
4.70
REED BED MEDIA
OPEN CHANNEL
3.90
2.75
300
200
300
1
2
REED BED WALL TO BE DESIGNATED CONCRETE RC28/35 IN ACCORDANCE WITH BS 8500-1. A393 MESH TO BE APPLIED TO ALL FACES ALLOWING 60mm COVER.
500
3000

SECTION C-C

SCALE 1:50

DO NOT SCALE FROM THIS DRAWING

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
3. TO BE READ IN CONJUNCTION WITH BRT-TG-XX-ZZ-DR-HI-0501 & BRT-TG-XX-ZZ-SP-DD-0500
4. THIS DETAIL DRAWING IS BASED ON EXISTING REED BED DESIGN 10 & 11 AT LAKE 4 (REFER TO DRAWINGS WTPC S6(92)200 AND WTPC SA(92)211)

REV.	BY	CHK'D	APP'D	DATE	DESCRIPTION
P02	EPM	LD	BH	24/02/21	UPDATED FOLLOWING DEVELOPMENT OF GABION WALLS
P01	EPM	LD	BH	27/01/21	FIRST ISSUE

CODE	DRAWING STATUS
S3	FOR REVIEW/COMMENT

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BEAN TUNNEL
TUNNEL AND HIGHWAY DETAILED DESIGN

HIGHWAYS DRAINAGE REED BED DETAILS

DRAWING. No.
BRT-TG-XX-ZZ-DR-HI-0512

DRAWN : BPH	DESIGNED : MS	REVISION
SCALE :	ORIGINAL SIZE : A1	P02